



COMMONWEALTH OF VIRGINIA
Department of Mines, Minerals and Energy
Division of Mined Land Reclamation

Knox Creek TDS Wasteload Report 2017-Q2

07-01-2016 to 06-30-2017

Watershed Information

Stressor:	TDS	Watershed Acres:	48,069
Wasteload Allocation:	1,110,000	Watershed Permits:	12
EPA TMDL Approval Date:	3/27/2007	Watershed Outfalls:	135

Watershed Wasteload and Reduction Summary¹

	Pre-TMDL Wasteloads ²	Post-TMDL Wasteloads ³	Total
Wasteload Allocation Available ⁴	1,110,000	0	1,110,000
Wasteload ⁵	6,290,019	835,302	7,125,321
Wasteload Balance	-5,180,019	-835,302	-6,015,321
Wasteload Reduction Required ⁶	5,180,019	835,302	6,015,321
Percent Reduction Required ⁷	82.4 %	100.0 %	84.4 %

¹ Wasteload units are in kg/year unless otherwise noted.

² Pre-TMDL Wasteloads are calculated from outfalls existing before the EPA's approval of the TMDL.

³ Post-TMDL wasteloads are calculated from outfalls added after the EPA's approval of the TMDL.

⁴ The wasteload allocation available for pre-TMDL outfalls is the approved wasteload allocation for the watershed. The wasteload allocation available for post-TMDL outfalls is any remaining balance not used by pre-TMDL outfalls.

⁵ Wasteloads are calculated on a quarterly basis using reported monitoring data, which includes samples taken when an alternate effluent limitation (AEL) precipitation event is utilized.

⁶ In order to meet the wasteload allocation, all negative wasteload balance (i.e. the amount of wasteload exceeding the wasteload allocation) must be reduced.

⁷ The percent reduction required is used to assign wasteload reductions to permits when the watershed's wasteload exceeds the available wasteload allocation.

Permit Wasteload and Reduction Summary⁸

Permit Number	Pre-TMDL Wasteload ⁹	Pre-TMDL Reduction Required ¹⁰	Post-TMDL Wasteload ¹¹	Post-TMDL Reduction Required ¹²	Total Wasteload	Total Wasteload Reduction Required
1401358	19,523	16,077	0	0	19,523	16,077
1201630	190	157	0	0	190	157
1401647	0	0	84,419	84,419	84,419	84,419
1301714	1,689,116	1,391,037	0	0	1,689,116	1,391,037
1301712	0	0	0	0	0	0
1201724	0	0	454,033	454,033	454,033	454,033
1101784	2,755,424	2,269,174	0	0	2,755,424	2,269,174
1101823	10,884	8,963	0	0	10,884	8,963
1101981	174,709	143,878	0	0	174,709	143,878
1101995	1,635,204	1,346,640	296,850	296,850	1,932,054	1,643,490
1202083	4,970	4,093	0	0	4,970	4,093
1102169	0	0	0	0	0	0
Total	6,290,019	5,180,019	835,302	835,302	7,125,321	6,015,321

⁸ Wasteload units are in kg/year unless otherwise noted.

⁹ The wasteload calculated from outfalls existing before the EPA's approval of the TMDL.

¹⁰ Pre-TMDL reduction calculated by multiplying the pre-TMDL wasteload by the watershed's pre-TMDL percent reduction required.

¹¹ The wasteload

¹² Post-TMDL reduction calculated by multiplying the post-TMDL wasteload by the watershed's post-TMDL percent reduction required.